

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057047

Luminaire Tested: CB2-D-125U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057047
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-125U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12407.3 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

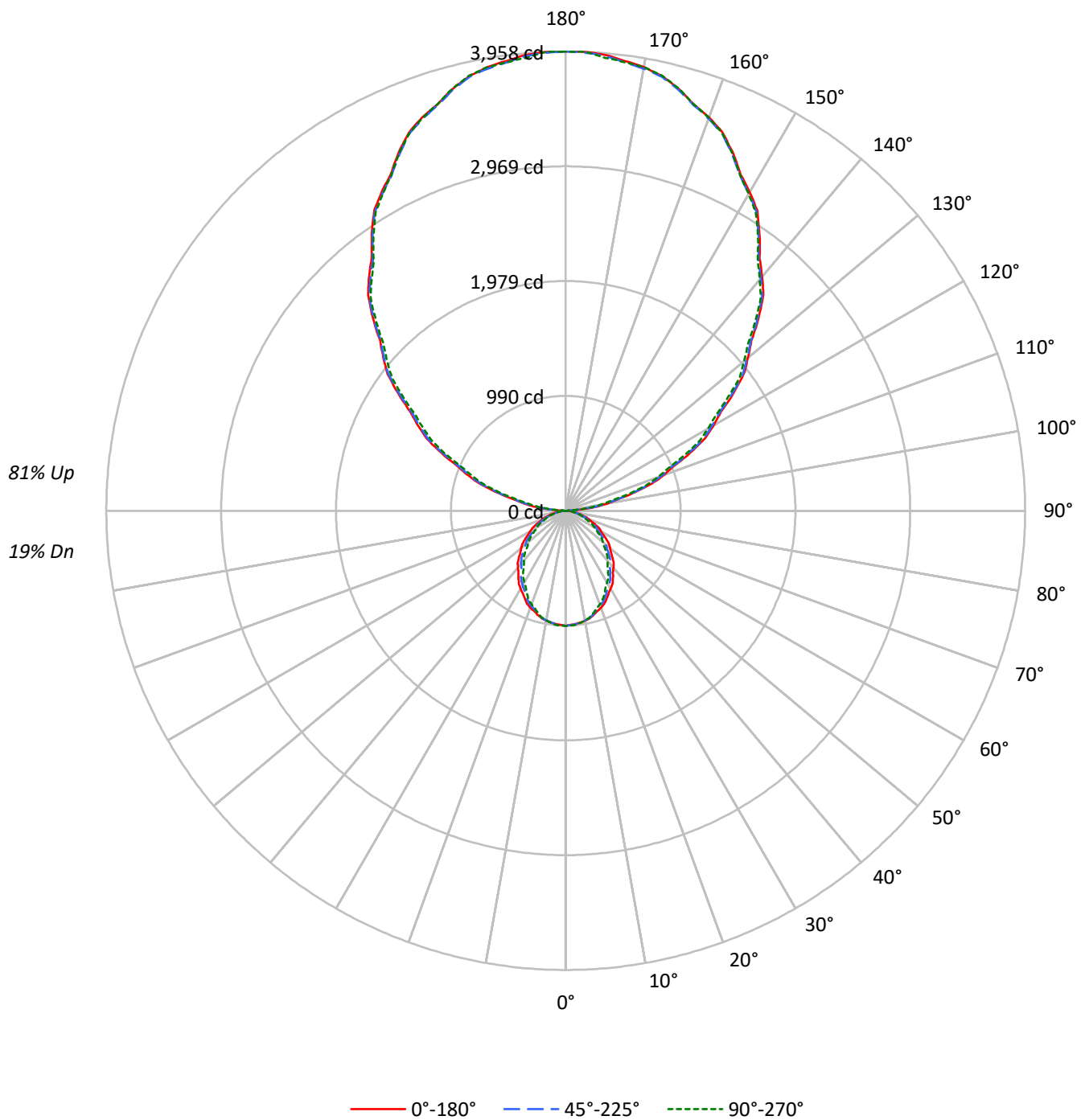
Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10
8	49	38	31	26	44	34	27	23	26	21	18	19	16	13	12	10	9
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	0.8
10°-20°	259.9	2.1
20°-30°	373.7	3.0
30°-40°	420.1	3.4
40°-50°	405.8	3.3
50°-60°	342.9	2.8
60°-70°	246.3	2.0
70°-80°	134.6	1.1
80°-90°	36.0	0.3
90°-100°	152.9	1.2
100°-110°	630.7	5.1
110°-120°	1144.9	9.2
120°-130°	1557.9	12.6
130°-140°	1798.4	14.5
140°-150°	1812.3	14.6
150°-160°	1564.0	12.6
160°-170°	1060.0	8.5
170°-180°	373.9	3.0
0°-30°	726.9	5.9
0°-40°	1147.0	9.2
0°-60°	1895.6	15.3
0°-90°	2312.5	18.6
90°-120°	1928.4	15.5
90°-150°	7097.0	57.2
90°-180°	10095.0	81.4
0°-180°	12407.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	3	0	3	6
95°	148	130	124	96	96	172
105°	624	615	599	565	559	662
115°	1186	1183	1161	1127	1124	1170
125°	1763	1781	1744	1708	1710	1574
135°	2350	2377	2337	2294	2310	1809
145°	2912	2945	2899	2866	2887	1819
155°	3406	3439	3390	3369	3396	1566
165°	3764	3803	3754	3734	3767	1060
175°	3943	3985	3934	3909	3918	374
180°	3958	3958	3958	3958	3958	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	9.1	7.3	7.9
90°	0.0	0.0	3.1	0.1	3.1
92.5°	37.1	32.2	30.3	19.8	22.8
95°	148.2	130.1	123.5	95.7	95.7
97.5°	279.7	261.6	251.9	223.4	217.4
100°	373.6	355.5	345.8	314.8	308.8
102.5°	469.9	461.5	444.6	411.1	405.1
105°	623.7	614.6	599.0	564.9	558.8
107.5°	781.8	783.6	760.2	732.2	723.7
110°	895.4	892.4	873.8	845.9	839.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1011.5	1006.1	987.4	959.5	953.4
115°	1185.6	1182.6	1160.9	1126.9	1123.9
117.5°	1351.1	1360.8	1335.1	1299.2	1298.0
120°	1469.7	1481.8	1451.2	1420.1	1414.1
122.5°	1585.8	1600.3	1569.7	1533.9	1535.1
125°	1763.0	1781.1	1744.5	1707.5	1710.5
127.5°	1934.1	1956.4	1922.3	1884.7	1888.4
130°	2050.1	2077.3	2040.9	2000.9	2006.9
132.5°	2168.7	2195.9	2159.4	2117.1	2128.0
135°	2349.6	2376.8	2337.3	2294.4	2309.5
137.5°	2520.1	2547.2	2504.0	2468.0	2486.1
140°	2633.7	2660.9	2615.2	2581.6	2599.7
142.5°	2744.8	2776.8	2728.8	2692.9	2715.8
145°	2911.6	2944.8	2899.2	2865.7	2886.9
147.5°	3069.7	3102.9	3056.7	3024.5	3046.2
150°	3170.9	3204.1	3155.5	3128.3	3152.4
152.5°	3264.8	3302.8	3251.8	3224.8	3256.1
155°	3405.6	3438.8	3390.1	3369.2	3396.3
157.5°	3527.9	3566.5	3518.0	3499.9	3521.7
160°	3609.4	3645.6	3597.0	3579.0	3603.2
162.5°	3671.1	3709.8	3663.7	3643.4	3672.4
165°	3763.7	3803.0	3754.5	3733.6	3766.8
167.5°	3836.6	3878.3	3829.2	3807.7	3841.6
170°	3881.1	3920.3	3868.7	3844.8	3881.1
172.5°	3910.7	3952.4	3898.4	3874.2	3898.4
175°	3942.8	3985.1	3933.6	3909.1	3918.1
177.5°	3958.3	3992.1	3950.9	3929.3	3958.3
180°	3958.3	3958.3	3958.3	3958.3	3958.3

(END OF REPORT)